

Amendments Under 37 C.F.R. §1.111

In the title:

Delete –MULTIPLEXER/DEMULTIPLEXER– and insert –IMPROVED METHOD FOR PACKAGING PASSIVE OPTOELECTRIC ASSEMBLIES IN A LIMITED SPACE–.

In the claims:

1. (Currently amended) A ~~subassembly~~tray for use in an add/drop module, said ~~subassembly~~tray comprising:
first and second submodules, each submodule having one or more compartments for containing individual add/drop filters;
a first plurality of cascaded add/drop filters installed in said first submodule; and
a second plurality of cascaded add/drops filters installed in said second submodule.
2. (Currently amended) The ~~subassembly~~tray of claim 1, wherein said submodules are substantially similar.
3. (Currently amended) The ~~subassembly~~tray of claim 2, wherein said submodules are hermaphroditic.
4. (Currently amended) A tray for use in an add/drop module, said tray comprising:
first and second submodules, each submodule having one or more compartments for
containing individual add/drop filters, said first and second submodules being
hermaphroditic. The subassembly of claim 3, said compartments are being
asymmetrically located on said submodules such that when the submodules are combined, the compartments of opposite submodules are offset from one another and thus do not interfere with one another;
a first plurality of cascaded add/drop filters installed in said first submodule; and
a second plurality of cascaded add/drops filters installed in said second submodule.

5. (Currently amended) The ~~subassembly~~tray of claim 1, wherein each submodule has at least two compartments.
6. (Currently amended) The ~~subassembly~~tray of claim 5, wherein each compartment has at least two add/drop filters stacked therein.
7. (Currently amended) The ~~subassembly~~tray of claim 6, wherein each compartment has at least five add/drop filters stacked therein.
8. (Currently amended) The subassembly of claim 1, wherein each submodule has bend guides to maintain a minimum bend radius for the fibers of said add/drop filters.
9. (Currently amended) The ~~subassembly~~tray of claim 8, wherein each bend guide manages at least two fibers.
10. (Currently amended) The ~~subassembly~~tray of claim 9, wherein fibers of add/drop filters contained in different compartments use the same bend guide.
11. (Currently amended) The ~~subassembly~~tray of claim 10, wherein said first plurality of add/drop filters is used for multiplexing and said second plurality of add/drops is used for demultiplexing.
12. (Original) An add/drop module comprising:
 - a housing;
 - a tray mounted in said housing, wherein said tray comprises at least:
 - first and second submodules, each submodule having one or more
 - compartments for containing individual add/drop filters;
 - a first plurality of cascaded add/drop filters installed in said first submodule;

a second plurality of cascaded add/drops filters installed in said second submodule; and
connectors mounted to said housing and optically connected to the fibers at the ends of said first and second plurality of cascaded add/drop filters.

13. (New) The tray of claim 4, wherein each submodule has at least two compartments.
14. (New) The tray of claim 4, wherein each submodule has bend guides to maintain a minimum bend radius for the fibers of said add/drop filters.
15. (New) The tray of claim 14, wherein fibers of add/drop filters contained in different compartments use the same bend guide.
16. (New) The tray of claim 4, wherein said first plurality of add/drop filters is used for multiplexing and said second plurality of add/drops is used for demultiplexing.
17. (New) An add/drop module comprising:
a housing;
a tray mounted in said housing, wherein said tray comprises at least:
first and second submodules, each submodule having one or more
compartments for containing individual add/drop filters, said first and second submodules being hermaphroditic, said compartments being asymmetrically located on said submodules such that when the submodules are combined, the compartments of opposite submodules are offset from one another and thus do not interfere with one another;
a first plurality of cascaded add/drop filters installed in said first submodule;
a second plurality of cascaded add/drops filters installed in said second submodule; and
connectors mounted to said housing and optically connected to the fibers at the ends of said first and second plurality of cascaded add/drop filters.

18. (New) The tray of claim 17, wherein each submodule has bend guides to maintain a minimum bend radius for the fibers of said add/drop filters.
19. (New) The tray of claim 18, wherein fibers of add/drop filters contained in different compartments use the same bend guide.
20. (New) The tray of claim 17, wherein said first plurality of add/drop filters is used for multiplexing and said second plurality of add/drops is used for demultiplexing.